

## ABSTRACT

Apparatus, and an associated method, for facilitating communication of data upon a communication channel which exhibits fading. Orthogonal transmit diversity techniques and trellis-coded modulation techniques are utilized to form a signal permitting the communication of data at high data rates while maintaining spectral efficiency, good error rate performance, without excessive computational complexity. The apparatus and associated method is advantageously implemented in a WLAN (Wireless Local Area Network) constructed pursuant to the IEEE 802.11 standard.